ANALYTICAL CHEMISTRY II											
1	Course Title:	ANALYT	ICAL CHEMISTRY II								
2	Course Code:	KIM2002									
3	Type of Course:	Compuls	ory								
4	Level of Course:	First Cyc	le								
5	Year of Study:	2									
6	Semester:	4									
7	ECTS Credits Allocated:	4.00									
8	Theoretical (hour/week):	4.00									
9	Practice (hour/week):	0.00									
10	Laboratory (hour/week):	0									
11	Prerequisites:										
12	Language:	Turkish									
13	Mode of Delivery:	Face to f	ace								
14	Course Coordinator:	Prof. Dr.	MEHMET HALUK TÜRKDEMİR								
15	Course Lecturers:	Prof. Dr. Doç. Dr. Doc. Dr.	Cevdet DEMİR M. Haluk TÜRKDEMİR Belgin İZGİ								
16	Contact information of the Course Coordinator:	sgucer@uludag.edu.tr 0 224 29 41 724									
17	Website:										
18	Objective of the Course:	Investiga which are Evaluatio	ation of technological and classical quantitative methods re used in national and international standard analysis. on of quantitative results via accuracy and precision.								
19	Contribution of the Course to Professional Development:										
20	Learning Outcomes:										
		1	Knows fundamental chemical analysis methods.								
		2	Can research chemical analysis methods.								
		3	Can choose chemical analysis method.								
		4	Gain skills for the optimization of the method of chemical analysis.								
		5	Can evaluate the results of chemical analyses via accuracy and precision.								
		6	Can practice chemical analysis method in laboratory.								
		7									
		8									
		9									
		10									
21	Course Content:		<b>•</b> • • •								
\A/	The exertical	Co	Dreaties								
vveek											
	Error calculations and data statistics										
2	Principles of neutralization titrations										
4	Principles of neutralization titrations										

5	Applications of neutralization titrations																				
6	Titra syste	ition ( ems	curve	s for th	ne cor	nplex a	acid-ba	ase													
7	Titra syste	ition o ems	curve	s for th	ne cor	nplex a	acid-ba	ase													
8	Rep	eatin	g cou	rses a	nd mi	dterm	exam														
9	The	com	plexat	ion rea	action	is and t	titratio	ns													
10	The	com	plexat	ion rea	action	is and t	titratio	ns													
11	Intro	ducti	ion to	electr	ocher	nistry															
12	Oxidation / Reduction Titrations																				
13	Rep	eatin	g cou	rses a	nd mi	dterm	exam														
14	Applications of oxidation / reduction titrations																				
22	Text Mate	Textbooks, References and/or Other Materials:									<ol> <li>Kılıç, E. ve Yılmaz, H. (translation editors), (Skoog, D.A.; West, D.M.; Holler, F.J. ve Crouch, S.R.), Analitik Kimya Temel İlkeler 1. Cilt, Bilim Yayıncılık, 8. Baskı, 2007, Ankara.</li> <li>Gündüz, T. Kantitatif Analiz Ders Kitabı, Gazi Kitabevi, 7. Baskı, 2003. Ankara.</li> <li>R.Kellner, J.M. Mermet, M.Otto, H.M. Widmer, 1997 " Analytical Chemistry"</li> <li>Internet resources</li> </ol>										
23	Asse	esme	nt																		
Activit	Ctivites								- 1 vr= 1	Numb	er		Dura	tion (	hour)	Total Work Load (hour)					
Theore	heoretical									4			4.00		56.00						
Practic	e work-project 10 ticals/Labs									)			0.00			0.00					
Şelf stu	study and preperation								10	400			3.00			42.00					
Homev	eworks									2						4.00					
Brajeet	sts Grade									0						0.00					
Field S	Studies									0						0.00					
Hidterr	erm exams									100.00						10.00					
Others	rs										0					0.00					
Eidalse											1					10.00					
Total V	al Work Load															122.00					
Total w	tal work load/ 30 hr									4.						4.07					
ECTS	Credit of the Course									4.00											
25	CONTRIBUTION OF LEARNING OUTCOMES TO PROGRAMME QUALIFICATIONS																				
	1	PQ1	PQ2	PQ3	PQ4	PQ5	PQ6	PQ7	PQ8	PQ9	PQ1 0	PQ11	PQ12	PQ1 3	PQ14	PQ15	PQ16				
ÖK1	(	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
ÖK2	(	0	5	0	0	0	0	3	0	0	0	0	0	0	0	0	0				
ÖK3	4	4	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0				
ÖK4		0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0				

ÖK5	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ÖK6	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
LO: Learning Objectives PQ: Program Qualifications																
Contrib 1 very low ution Level:				2 low			3 Medium			4 High			5 Very High			